

| REV | DESCRIPTION OF REVISION | By     | DATE      | APPROVED |
|-----|-------------------------|--------|-----------|----------|
| A   | INITIAL RELEASE         | C. Cai | 2023/9/16 | C. Chen  |

## TECHNICAL DATA

### ► Electrical Data

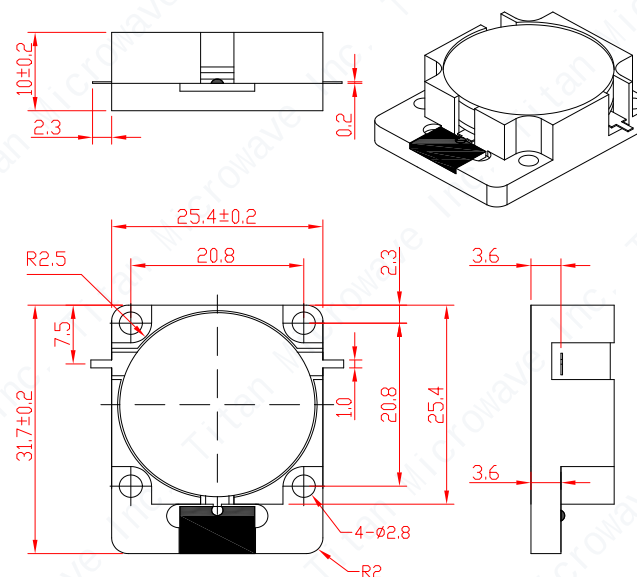
|                 |             |
|-----------------|-------------|
| Frequency Range | 1.08~1.1GHz |
| Insertion Loss  | 0.2dB max   |
| VSWR            | 1.15:1 max  |
| Isolation       | 25dB min    |
| Forward Power   | 200W        |
| Reverse Power   | 100W        |
| Direction       | Clockwise   |
| Impedance       | 50 Ohms     |

### ► Mechanical Data

|                |                |
|----------------|----------------|
| Dimensions     | 25.4×31.7×10mm |
| Connector Type | Stripline      |
| Material       | Aluminum       |
| Surface Finish | Nickel Plated  |
| Weight         | 40g            |

### ► Environmental Data

|                       |           |
|-----------------------|-----------|
| Operating Temperature | -30℃~+75℃ |
| Storage Temperature   | -50℃~+90℃ |



#### Notes:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

|                                      |                                                                  |                                                                                                                     |        |               |
|--------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------|---------------|
| DRAWN: L. Ma 16/09/23                | TITLE:<br><br>Drop-in Isolator<br>1.08-1.1GHz, Clockwise<br>200W | <br>www.titan-microwave.com    |        |               |
| ENGINEER: J. Zhu 16/09/23            |                                                                  |                                                                                                                     |        |               |
| APPROVED: C. Chen 16/09/23           |                                                                  |  DIMENSIONS IN MILLIMETERS(mm) |        |               |
| TOLERANCE UNLESS OTHERWISE SPECIFIED |                                                                  |                                                                                                                     |        |               |
| x ±0.50 [0.019"]                     | PART No.:<br><br>TMDI-01080110-200                               | SIZE:<br>A4                                                                                                         | SCALE: | SHEET:<br>1/1 |
| .x ±0.20 [0.008"]                    |                                                                  |                                                                                                                     |        | REV:<br>A     |
| .xx ±0.10 [0.004"]                   |                                                                  |                                                                                                                     |        |               |
| ANGLES ±1°                           |                                                                  |                                                                                                                     |        |               |